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Change of wind with height-seasonal variations

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Ag Mem 594 gave an approximate correction using mean annual values. The analysis, using Great Dun Fell, Carlisle and Leeming was repeated on a monthly basis for the years 1969, 1971 and 1972. The results were, after smoothing on a $\frac{1}{2}$, 1, $\frac{1}{2}$ weighting:-

<u>Month</u>	<u>Mean Wind Speeds (knots)</u>		<u>Smoothed Change</u> <u>per 100 feet</u>	<u>Suggested</u> <u>Correction</u>
	<u>Great Dun Fell</u>	<u>Carlisle</u> <u>& Leeming</u>		
January	21.1	8.6	0.46	0.45
February	19.9	8.5	0.42	0.4
March	19.4	8.5	0.40	0.4
April	18.6	8.5	0.37	0.35
May	18.0	8.3	0.36	0.35
June	17.1	7.85	0.31	0.3
July	16.0	7.35	0.32	0.3
August	16.0	7.0	0.33	0.35
September	17.8	7.3	0.39	0.4
October	21.2	8.4	0.47	0.45
November	23.7	9.2	0.54	0.55
December	23.2	9.0	0.53	0.5

Any comments or suggestions on this paper should be referred to the author.

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